



008222-000042 JHA.231053 WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

|   |   |    |                      |                          |         |
|---|---|----|----------------------|--------------------------|---------|
| Substitute for form 1449A/PTO   |   |    | Complete if Known    |                          |         |
|   |   |    | Application Number   | 10/603,528               |         |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | Filing Date          | June 25, 2003            |         |
|   |   |    | First Named Inventor | David P. Quigley, et al. |         |
|   |   |    | Group Art Unit       | Unknown                  |         |
|   |   |    | Examiner Name        | Unknown                  |         |
| Sheet   | 1 | of | 3                    | Attorney Docket Number   | 8222-42 |

| U.S. PATENT DOCUMENTS |              |                              |                                |  |  |
|-----------------------|--------------|------------------------------|--------------------------------|--|--|
| Examiner<br>Initials* | Cite<br>No.† | Document Number              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |              | Number-Kind Code‡ (If known) |                                |  |  |
| OK                    |              | 3,056,638                    | 10-02-1962                     | Hovde  |  |
|                       |              | 3,915,141                    | 10-28-1975                     | Otti et al.  |  |
|                       |              | 4,013,057                    | 03-22-1977                     | Guenther   |  |
|                       |              | 4,137,887                    | 02-06-1979                     | Dunn   |  |
|                       |              | 4,161,165                    | 07-17-1979                     | Belush et al.                                      |  |
|                       |              | 4,164,913                    | 08-21-1979                     | Komiyama et al.                                    |  |
|                       |              | 4,180,027                    | 12-25-1979                     | Taylor   |  |
|                       |              | 4,253,430                    | 03-03-1981                     | Garter et al.                                      |  |
|                       |              | 4,270,494                    | 06-02-1981                     | Garter et al.                                      |  |
|                       |              | 4,494,501                    | 01-22-1985                     | Ludovico   |  |
|                       |              | 4,502,422                    | 03-05-1985                     | Brann  |  |
|                       |              | 4,517,930                    | 05-21-1985                     | Nakano et al.                                      |  |
|                       |              | 4,531,269                    | 07-30-1985                     | LaBouff  |  |
|                       |              | 4,532,686                    | 08-06-1985                     | Berchem  |  |
|                       |              | 4,577,595                    | 03-25-1986                     | Deutschmann et al.                                 |  |
|                       |              | 4,581,983                    | 04-15-1986                     | Moebus   |  |
|                       |              | 4,617,887                    | 10-21-1986                     | Nagase et al.                                      |  |
|                       |              | 4,644,853                    | 02-24-1987                     | Russell et al.                                     |  |
|                       |              | 4,651,631                    | 03-24-1987                     | Avezou   |  |
|                       |              | 4,662,319                    | 03-05-1987                     | Ayoul  |  |
| OK                    |              | 4,709,621                    | 12-01-1987                     | Matsui et al.                                      |  |
|                       |              | 4,781,159                    | 11-01-1988                     | Elsbett et al.                                     |  |
|                       |              | 4,805,518                    | 02-21-1989                     | Heban, Jr.   |  |
|                       |              | 4,838,149                    | 06-13-1989                     | Donnison et al.                                    |  |
|                       |              | 4,867,119                    | 09-19-1989                     | Cooper et al.                                      |  |
|                       |              | Re. 34,139                   | 12-08-1992                     | Cooper et al.                                      |  |
|                       |              | 4,939,984                    | 07-10-1990                     | Fletcher-Jones                                     |  |
|                       |              | 4,986,167                    | 01-22-1991                     | Stratton et al.                                    |  |

|                       |             |                    |        |
|-----------------------|-------------|--------------------|--------|
| Examiner<br>Signature | <i>Kwon</i> | Date<br>Considered | 5/4/04 |
|-----------------------|-------------|--------------------|--------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). § For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*\* Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



008222-000042 JHA 231053 WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

|   |   |    |                          |                          |         |
|---|---|----|--------------------------|--------------------------|---------|
| Substitute for form 1449A/PTO   |   |    | <b>Complete if Known</b> |                          |         |
|   |   |    | Application Number       | 10/603,528               |         |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | Filing Date              | June 25, 2003            |         |
|   |   |    | First Named Inventor     | David P. Quigley, et al. |         |
|   |   |    | Group Art Unit           | Unknown                  |         |
|   |   |    | Examiner Name            | Unknown                  |         |
| Sheet   | 2 | of | 3                        | Attorney Docket Number   | 8222-42 |

| U.S. PATENT DOCUMENTS |             |  |                                |  |  |
|-----------------------|-------------|--|--------------------------------|--|--|
| Examiner<br>Initials* | Cite<br>No. | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Application of Cited Document | Pages, Columns, Lines where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |             | Number-Kind Code <sup>2</sup> (if known) |                                |  |  |
| JH                    |             | 4,989,559                                | 02-05-1991                     | Fletcher-Jones                                       |  |
|                       |             | 5,065,706                                | 11-19-1991                     | Zvonkovic  |  |
|                       |             | 5,081,967                                | 01-21-1992                     | Kemnitz et al.                                       |  |
|                       |             | 5,081,968                                | 01-21-1992                     | Bruni  |  |
|                       |             | 5,113,817                                | 05-19-1992                     | Kemnitz et al.                                       |  |
|                       |             | 5,115,726                                | 05-26-1992                     | Daxer et al.   |  |
|                       |             | 5,121,722                                | 06-16-1992                     | Horiuchi   |  |
|                       |             | 5,136,992                                | 08-11-1992                     | Bregler et al.                                       |  |
|                       |             | 5,144,923                                | 09-08-1992                     | Leites et al.  |  |
|                       |             | 5,146,883                                | 09-15-1992                     | Reipert et al.                                       |  |
|                       |             | 5,230,148                                | 07-27-1993                     | Martins Leites et al.                                |  |
|                       |             | 5,261,363                                | 11-16-1993                     | Kemnitz  |  |
|                       |             | 5,279,268                                | 01-18-1994                     | Brink et al.   |  |
|                       |             | 5,307,732                                | 05-03-1994                     | Berlinger  |  |
|                       |             | 5,352,538                                | 10-04-1994                     | Takeda et al.  |  |
|                       |             | 5,505,171                                | 04-09-1996                     | Gazzard  |  |
|                       |             | 5,511,521                                | 04-30-1996                     | Bischofberger et al.                                 |  |
|                       |             | 5,605,126                                | 02-25-1997                     | Hofmann et al.                                       |  |
|                       |             | 5,653,156                                | 08-05-1997                     | Issler et al.  |  |
|                       |             | 5,653,204                                | 08-05-1997                     | Shaffer  |  |
| OK                    |             | 5,660,156                                | 08-26-1997                     | Whitacre et al.                                      |  |
|                       |             | 5,692,430                                | 12-02-1997                     | McLaughlin et al.                                    |  |
|                       |             | 5,724,933                                | 03-10-1998                     | Silvonen et al.                                      |  |
|                       |             | 5,746,169                                | 05-05-1998                     | Issler et al.  |  |
|                       |             | 5,778,846                                | 07-14-1998                     | Mielke   |  |
|                       |             | 5,778,533                                | 07-14-1998                     | Kemnitz  |  |
|                       |             | 5,778,846                                | 07-14-1998                     | Mielke   |  |
|                       |             | 5,809,962                                | 09-22-1998                     | Abbott et al.  |  |

|                       |            |                    |        |
|-----------------------|------------|--------------------|--------|
| Examiner<br>Signature | <i>KWm</i> | Date<br>Considered | 5/4/04 |
|-----------------------|------------|--------------------|--------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



008222-000042 JHA.231053 WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 3

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/603,528               |
| Filing Date            | June 25, 2003            |
| First Named Inventor   | David P. Quigley, et al. |
| Group Art Unit         | Unknown                  |
| Examiner Name          | Unknown                  |
| Attorney Docket Number | 8222-42                  |

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|--|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |  |
| OK                    |                          | 5,868,112                                | 02-09-1999                     | Mahakul et al.                                     |  |
|                       |                          | 5,901,678                                | 05-11-1999                     | Bielaga  |  |
|                       |                          | 5,906,183                                | 05-25-1999                     | Blase et al.                                       |  |
|                       |                          | 5,913,960                                | 06-22-1999                     | Fletcher-Jones                                     |  |
|                       |                          | 5,975,040                                | 11-02-1999                     | Silvonen et al.                                    |  |
|                       |                          | 5,979,298                                | 11-09-1999                     | Whitacre   |  |
|                       |                          | 6,026,777                                | 02-22-2000                     | Kemnitz et al.                                     |  |
|                       |                          | 6,152,101                                | 11-28-2000                     | Parsi  |  |
|                       |                          | 6,182,630                                | 02-06-2001                     | Zhu et al.   |  |
|                       |                          | 6,202,619                                | 03-20-2001                     | Keller et al.                                      |  |
|                       |                          | 6,223,701                                | 05-01-2001                     | Kruse  |  |
|                       |                          | 6,279,455                                | 08-28-2001                     | Kruse  |  |
|                       |                          | 6,286,414                                | 09-11-2001                     | Kruse  |  |
|                       |                          | 6,314,933                                | 11-13-2001                     | Iijima et al.                                      |  |
|                       |                          | 6,327,962                                | 12-11-2001                     | Kruse  |  |
| OK                    |                          | 2002/0043240                             | 04-18-2002                     | Samenfink et al.                                   |  |

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear | T <sup>4</sup> |
|-----------------------|--------------------------|---|--------------------------------|---|---|----------------|
|                       |                          | Country Code <sup>3</sup> -Number <sup>2</sup> -Kind Code <sup>2</sup> (if known) |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |
|                       |                          |   |                                |   |   |                |

Examiner  
Signature

KWon

Date  
Considered

5/4/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.